

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

**Mt. Hood
Community College**

Crop and Soil Science

Want to get your hands dirty while making a difference? Our students work on solving the most complex agricultural and natural resource problems faced in Oregon, our nation and across the globe.

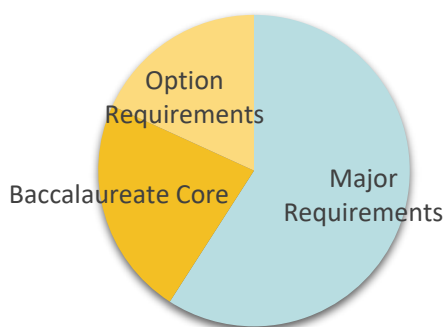
Students who want to make a measurable difference in our communities are perfect candidates for a degree in either crop science or soil science. Graduates of our program are in demand across the United States.

Students must select from one option:

- Agronomy
- Plant Breeding and Genetics
- Soil Science (also available via Ecampus)

The Crop and Soil Science major in the OSU Ag Program at LaGrande will not be accepting new students effective January 1, 2022. Current students will be able to complete their major through a combination of in person, remote, and Ecampus courses through the OSU Ag Program.

Your Bachelor's Degree (BS) in Crop and Soil Science



- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 transfer credits may be applied toward a bachelor's degree at OSU.
- Only courses with letter prefixes and numbers above 100 are accepted.
- More info for Corvallis Campus: <https://cropandsoil.oregonstate.edu/degree/crop-and-soil-science-bs-degree>

Courses Required for Crop and Soil Science Major

| CSS Core Requirements This list is not comprehensive. Contact an OSU advisor for more information. | Equivalent MHCC Course | OSU Course | Notes |
|---|------------------------|--------------|---|
| Biology | BI 211 | BI LD2 | -Only select one full series (either all 211-213 or all of 221-223) -OSU now only offers BI 221-223. If taking BI 211-213, you must take entire series at MHCC. Refer to https://admissions.oregonstate.edu/ld1-and-ld2-explained to learn more about BI LD2 equivalency. |
| Principles of Biology | BI 212 | BI LD2 | |
| Principles of Biology | BI 213 | BI LD2 | |
| Principles of Biology | -- | BI 221 | |
| | -- | BI 222 | |
| | -- | BI 223 | |
| Intro to Crop & Soil Science | -- | SOIL 101 | Available online at OSU |
| Soil Science | -- | SOIL 205/206 | Available online at OSU as CSS 205 |

Courses Required for Crop & Soil Science Major: Option specific coursework

| CSS Option Requirements | MHCC Course | OSU Course | Notes |
|-------------------------|------------------|--------------------------|---|
| Agronomy | | | |
| Chemistry | CH 221 CH 222 | CH 231/261 CH 232/262 | Lecture & lab for 200-level Chemistry have separate course numbers at OSU |

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|---|--|--|--|
| | CH 223 | CH 233/263 | |
| Calculus | -- -- MTH 251 | MTH 241 MTH 245 MTH 251 | Complete one(1) course from options All courses listed: Available online at OSU |
| Crop Ecology & Morphology | -- | CROP 200 | Available online at OSU |
| Ag and Food Management | -- | AEC 211 | Available online at OSU |
| Ag and Food Marketing | -- | AEC 221 | Available online at OSU |
| Economics | -- EC 201 | AEC 250 ECON 201 | Complete one(1) course from options AEC 250: Available online at OSU |
| General Electives Physics Technical Writing Microbiology Organic Chemistry | PH 201 WR 227 BI 234 CH 241 CH 243 CH 242 | PH 201 WR 327 (LD) MB 230 CH 331 CH 332 CH 337 | Complete 7-8 credits (LD) = Lower Division Transfer Must pass the ACS organic exam offered as part of MHCC course to receive upper division credit: chemistry.oregonstate.edu/content/organic-chemistry-transfer-policies |
| Plant Breeding & Genetics (cross listed with Horticulture) | | | |
| Chemistry | -- -- -- CH 221 CH 222 CH 223 | CH 121 CH 122 CH 123 CH 231/261 CH 232/262 CH 233/262 | CH 121-123: Available online at OSU Only select one full sequence (either all 100-level, or 200-level) Lecture & lab for 200-level Chemistry have separate course numbers at OSU |
| Math Elementary Functions Calculus | MTH 112 -- -- MTH 251 | MTH 112 MTH 241 MTH 245 MTH 251 | Complete one(1) course from options All courses listed: Available online at OSU |
| Plant Materials Crop Eco & Morph Landscape PM 1 Landscape PM 2 Herbaceous Ornamental | -- -- -- -- | CROP 200 HORT 226 HORT 228 HORT 255 | Complete one(1) course from options All courses listed: Available online at OSU |
| Soil Science (continued on next page) | | | |
| Chemistry | -- -- -- CH 221 CH 222 CH 223 | CH 121 CH 122 CH 123 CH 231/261 CH 232/262 CH 233/262 | CH 121-123: Available online at OSU Only select one full sequence (either all 100-level, or 200-level) Lecture & lab for 200-level Chemistry have separate course numbers at OSU |
| College Algebra | MTH 111 | MTH 111 | Minimum requirement; see TRACK for more detail below |
| Crop Ecology & Morphology | -- | CROP 200 | Other course options available post-transfer Available online at OSU |
| General Electives Ag and Food Mgmt Economics Gen Chm. Living Systems Organic Chemistry Organic Chemistry Calculus Calculus Physics Physics Org. Farm & Garden | -- -- -- CH 241 CH 243 MTH 251 MTH 252 PH 201 PH 202 -- | AEC 211 AEC 250 CH 130 CH 331 (LD) CH 332 (LD) MTH 251 MTH 252 PH 201 PH 202 HORT 260 | Complete 12 credits (LD) = Lower Division Transfer All courses listed = Available online at OSU If interested in pursuing graduate school, recommended for students to complete entire Physics series: PH 201, 202, 203 If complete MTH 251 or 252, will also fulfill the MTH 111 requirement |

Soil Science (continued from previous page)

CHOOSE TRACK: Soil Research, General soils

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|--|--|--|---|
| SOIL RESEARCH Earth Science Calculus Physics | G 201 G 202 G 203 -- -- MTH 251 PH 201 PH 202 | GEO 201 GEO 202 GEO 203 GEO 221 GEO 101 MTH 251 PH 201 PH 202 | Complete one(1) course from Earth Science options, complete Calculus, and all Physics GEO 221/101 = Available online at OSU If interested in pursuing graduate school, recommended for students to complete entire Physics series: PH 201, 202, 203 If complete MTH 251, will fulfill the MTH 111 req. |
| General Soils Earth Science Math | G 201 G 202 G 203 -- -- MTH 112 -- -- | GEO 201 GEO 202 GEO 203 GEO 221 GEO 101 MTH 112 MTH 241 MTH 245 | Complete one(1) course from Earth Science options, and one(1) course from the Math options GEO 221/101, MTH 241/245 = Available online at OSU If complete MTH 112, 241, OR 245 will also fulfill the MTH 111 requirement |

General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.
- Full listing of Mt. Hood CC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-mount-hood-community-college

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|----------------------------|--|--|
| SKILLS COURSES | Math Writing I Writing II Speech (Writing III) Fitness (HHS 231 and 241) | Completed as part of major WR 121. Required to transfer. Can be completed as part of major: see advisor Choose one course from BaccCore link above HPE 295 |
| PERSPECTIVE COURSES | Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture | Completed as part of major Completed as part of major Completed as part of major Choose one course from BaccCore link above Choose one course from BaccCore link above Completed as part of major Choose one course from BaccCore link above |
| DPD COURSE | Difference, Power, & Discrimination | Can be completed as part of major: see advisor |
| SYNTHESIS COURSES | Contemporary Global Issues Science, Technology, & Society | Upper division course, take through OSU Upper division course, take through OSU |

Important Notes & Resources

- See a [sample degree plan](#) by searching "Crop and Soil Science" in the OSU Catalog at catalog.oregonstate.edu. Or find a sample degree plan on the Crop and Soil Science Degree Fact Sheet agsci.oregonstate.edu/degree-fact-sheet/crop-soil-science_
- Crop and Soil Science offers 3 options which allow students to specialize. The options are [Agronomy](#), [Plant Breeding and Genetics](#), and [Soil Science](#). More details can be found by searching "Crop and Soil Science" in the OSU Catalog at catalog.oregonstate.edu
- Other similar majors to explore: [Horticulture](#), [Botany](#), and [Biology](#). Check out all OSU programs at catalog.oregonstate.edu.
- 100 and 200 level and lower division Baccalaureate Core are priority courses to complete before transferring to OSU.
- For Crop and Soil Sciences students, the best time to transfer is fall term, particularly due to the Crop and Soil Science series courses. Talk with an OSU advisor about your specific timeline.

- It is important to speak with the Crop and Soil Science Advisor, [Stefan Seiter](#), early on, and often, to ensure correct course selection and sequencing for programs offered at the Corvallis campus and via Ecampus. Stefan can be reached at stefan.seiter@oregonstate.edu.

Resources and OSU Information:

- Students do not have to complete a transfer degree in order to transfer to OSU.
 - If you’ve completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See transfer student admissions info: transfer.oregonstate.edu
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: partnerships.oregonstate.edu/students
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at visitosu.oregonstate.edu/visit-campus.

Advising Contacts

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first and use this Transfer Guide to help you plan.** It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. To schedule a visit, go to Corvallis campus: visitosu.oregonstate.edu/visit-campus.

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| Mt. Hood Community College | mhcc.edu/Degrees_TransferGuides/ |
| OSU College of Agricultural Sciences Student Advisor | Stefan Seiter 541-737-6372 seiters@oregonstate.edu |

OSU College of Agricultural Sciences prohibits discrimination in all its programs, services, activities, and materials.